



## SEQUENCE LISTING

<110> AntiCancer, Inc.  
Xu, Mingxu  
Han, Qinghong

<120> HIGH EXPRESSION AND PRODUCTION OF HIGH  
SPECIFIC ACTIVITY RECOMBINANT S-ADENOSYLHOMOCYSTAINASE  
(SAHH) AND IMPROVED ASSAYS FOR S-ADENOSYLMETHIONINE (SAM)

<130> 31276-20026.00

<140> US 09/759,990

<141> 2001-01-12

<150> US 60/176,444

<151> 2000-01-14

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1461

<212> DNA

<213> Homo sapiens (nucleotide sequence of SAHH)

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<212> DNA  
<213> Homo sapiens (nucleotide sequence of SAHH - wild type)

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<211> 486

<212> PRT

<213> Homo sapiens

<400> 7

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Lys	Glu	Met	Pro	Gly	Leu	Met	Val	Leu	Arg	Glu	Arg	Tyr	Ser	Ala	Ser
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Lys	Pro	Leu	Lys	Gly	Val	Arg	Ile	Ser	Gly	Ser	Leu	His	Met	Thr	Val
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Gln	Thr	Ala	Val	Leu	Ile	Glu	Thr	Leu	Thr	Ala	Leu	Gly	Ala	Asp	Val
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Arg	Trp	Ala	Ser	Cys	Asn	Ile	Phe	Ser	Thr	Gln	Asp	Thr	Ala	Ala	Ala
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Ala	Ile	Val	Val	Gly	Pro	Thr	Gly	Thr	Pro	Glu	Lys	Pro	Ala	Gly	Ile
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Pro	Val	Phe	Ala	Trp	Lys	Gly	Glu	Thr	Leu	Pro	Glu	Tyr	Trp	Glu	Asn
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Phe	Glu	Thr	Ala	Gly	Ala	Val	Pro	Glu	Pro	Thr	Glu	Ala	Asp	Asn	Leu
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Glu	Tyr	Arg	Cys	Val	Leu	Ala	Thr	Leu	Lys	Gln	Val	Phe	Asn	Gln	Asp
			180					185					190		
Lys	Asn	His	Trp	His	Thr	Val	Ala	Ala	Gly	Met	Asn	Gly	Val	Ser	Glu
	195						200					205			
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	210					215					220				

Lys	Leu	Leu	Phe	Pro	Ala	Ile	Asn	Val	Asn	Asp	Ala	Val	Thr	Lys	Ser	225	230	235	240
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Asn	Arg	Ala	Ser	Asp	Val	Met	Ile	Gly	Gly	Lys	Thr	Ala	Leu	Val	Met	260	265	270	
Gly	Tyr	Gly	Asp	Val	Gly	Lys	Gly	Cys	Ala	Gln	Ser	Leu	Arg	Gly	Gln	275	280	285	
Gly	Ala	Arg	Val	Ile	Ile	Thr	Glu	Leu	Asp	Pro	Ile	Cys	Ala	Leu	Gln	290	295	300	
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Val	Asp	Met	Met	Ala	Gln	Met	Lys	Asp	Lys	Ala	Ile	Val	Gly	Asn	Ile	340	345	350	
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Pro	Asp	Gly	His	Ala	Ile	Leu	Leu	Leu	Ala	Glu	Gly	Arg	Leu	Leu	Asn	385	390	395	400
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Ala	Arg	Leu	His	Leu	Gly	Ser	Leu	Asp	Val	His	Leu	Thr	Lys	Leu	Thr	450	455	460	
Gln	Lys	Gln	Ala	Asp	Tyr	Ile	Asn	Val	Pro	Val	Glu	Gly	Pro	Tyr	Lys	465	470	475	480
Ser	Asp	Ala	Tyr	Arg	Tyr											485			